



SCIENCE ACTIVITY WORKBOOK

Ages 4 to 5 years
**LEVEL
3**



Innovation by : Md Abdullah Al Mamun
Designed by : Md Khairul Islam Tuhin
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Kidvive Fun & Learn Activity School is an online learning platform designed for children aged 2 to 6 years. Our school offers a carefully structured curriculum across four levels: ECD (2-3 years), Play (3-4 years), Nursery (4-5 years), and KG (5-6 years), focusing on the developmental needs of young learners. Each level is designed to provide children with a strong foundation in key academic areas while making learning engaging and enjoyable.

In the ECD level, we emphasize parental involvement, guiding parents on how to teach their children essential skills in motor development, communication, and early cognitive abilities. The goal is to create a strong foundation at home that supports children's early learning.

At the Play level, children begin learning alphabets, words, tracing, and rhymes while also exploring basic math and science concepts. The curriculum is designed to keep children engaged and curious, offering subjects like Bangla, English, Math, Storybooks, and Coloring, all taught in a fun and interactive way.

The Nursery level builds on these skills by introducing sentence formation, expanding vocabulary, and diving deeper into intermediate science concepts. Children are also encouraged to develop their critical thinking and problem-solving abilities through subjects like Bangla, English, Math, and Storybooks.

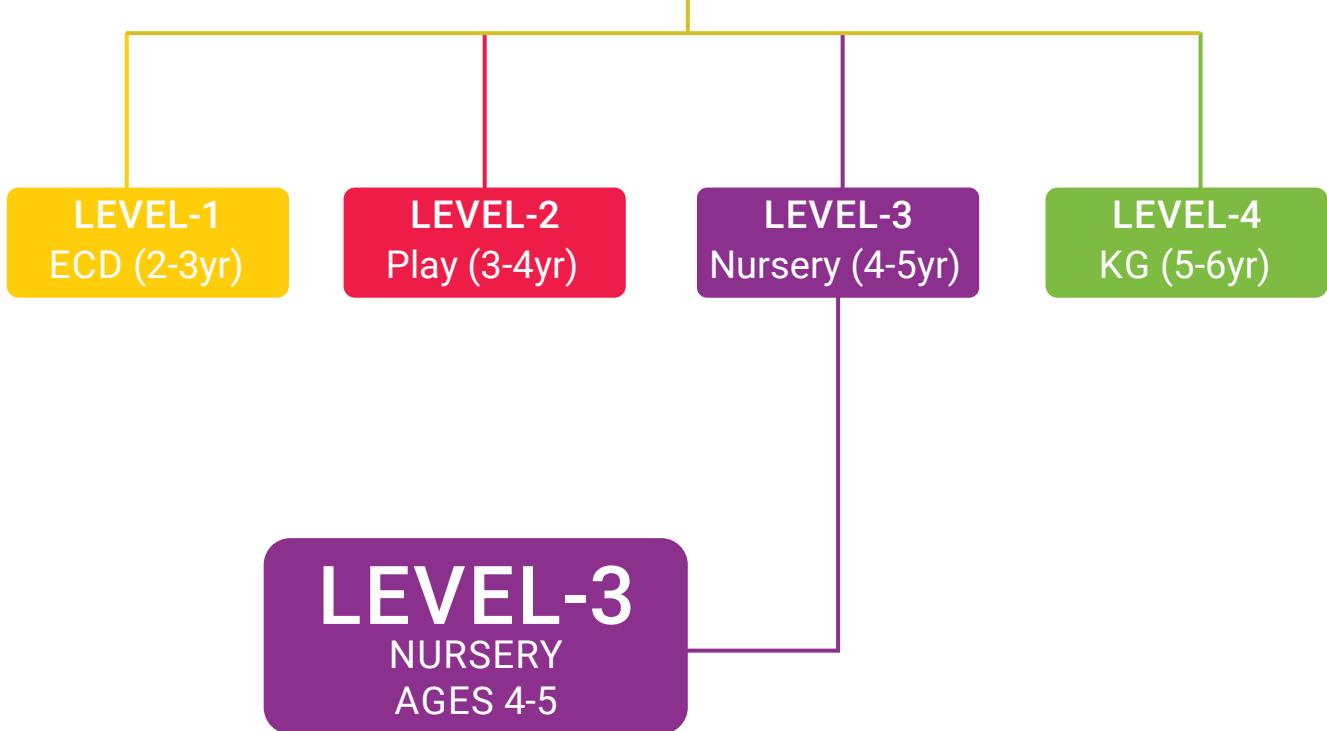
In the KG level, children refine their sentence-making, continue learning math and science, and work on writing skills with fill-in-the-blank rhymes. This level focuses on preparing children for formal schooling, giving them the necessary tools to succeed in a school environment.

At Kidvive Fun & Learn Activity School, we combine interactive learning and engaging activities with a focus on parental involvement, ensuring that children receive a well-rounded education. Our goal is to make learning enjoyable while providing children with the skills they need for future academic success.



Fun, Learn & Grow





The Nursery level focuses on expanding vocabulary, forming basic sentences, and continuing rhymes memorization. Kids start learning intermediate science concepts and advance in subjects like Bangla, English, Math, Storybooks, and Coloring Books. This level bridges the gap between basic learning and more structured education.

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Fun, Learn & Grow

About Our Program

Nursery (Level 3) Ages 4-5

The Nursery level builds upon the Play level by introducing more advanced language skills, basic sentence formation, and an extended vocabulary. At this stage, children are encouraged to form simple sentences using the words they have learned, helping them improve communication skills. They also continue with rhymes memorization, strengthening their language abilities and rhythm recognition. In addition to language skills, this level introduces intermediate science concepts, allowing children to develop a deeper understanding of their surroundings. They begin exploring nature, weather, and basic experiments to foster curiosity and logical thinking. Children at this stage expand their Bangla skills by learning new words, forming sentences, and understanding rhyming patterns. In English, they build on vocabulary and start writing short phrases. Math concepts become more structured, including number sequences, simple addition, and identifying patterns. Science lessons introduce topics such as animals, plants, and the environment, encouraging hands-on exploration. Storybooks at this level include longer and more meaningful stories to strengthen reading comprehension, while coloring activities help refine artistic and motor skills.

By the end of the Nursery level, children gain the confidence to express themselves in simple sentences, understand early math concepts, and engage in exploratory learning, preparing them for more advanced education.

Learning Outcome



Social & Emotional Skills



Routine Building



Scientific Thinking & Inquiry



Environmental Awareness



Confidence Building



Nurturing Creativity



Building Brain Power



Developing Life Skill



Moral Values



Creativity & Imagination



Communication Skill

Where to find our books and enroll in school?

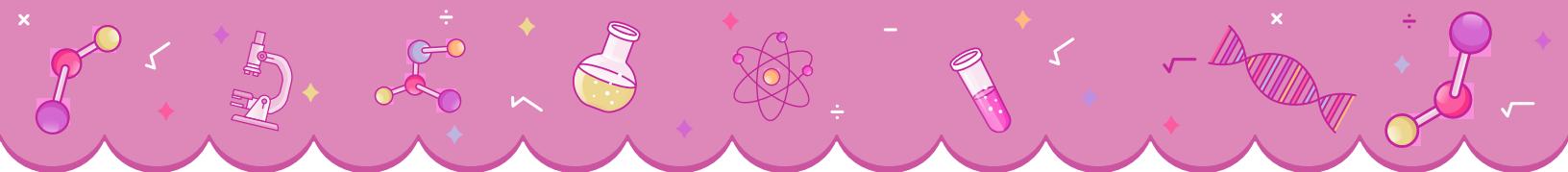


www.kidviveschool.com

For more detail: +8801601-975313

Fun, Learn & Grow





Weather and Seasons

The weather changes every day! Sometimes it is sunny, sometimes it rains, and sometimes it is cold and snowy.

Bangladesh has six seasons, and each one has its own special weather.

- **Summer** – The weather is very hot, and the sun shines brightly. Many delicious fruits, like mangoes and jackfruits, grow in this season.
- **Rainy Season** – The sky is often cloudy, and it rains a lot. Rivers and ponds fill up with water.
- **Autumn** – The rain decreases, and the sky looks clear and beautiful. White kash flowers bloom in the fields.
- **Late Autumn** – The weather becomes cooler, and farmers harvest paddy.
- **Winter** – The temperature drops, and mornings are foggy. People wear warm clothes and drink hot tea.
- **Spring** – Flowers bloom, and the weather is neither too hot nor too cold. It is known as the "King of Seasons."

Every season in Bangladesh is unique and makes nature beautiful in different ways.

আবহাওয়া প্রতিদিন বদলায়। কখনো রোদ থাকে, কখনো বৃষ্টি হয়, আবার কখনো ঠান্ডা ও তুষারপাত হতে পারে।

বাংলাদেশে ছয়টি ঋতু আছে, এবং প্রতিটি ঋতুর নিজস্ব আবহাওয়া ও বৈশিষ্ট্য রয়েছে।

- **গ্রীষ্ম** – এই সময় আবহাওয়া খুব গরম থাকে, আর সূর্য অনেক তেজী হয়। আম, কাঁঠালের মতো সুস্বাদু ফল পাওয়া যায়।
- **বর্ষা** – আকাশ মেঘে ঢেকে যায়, আর অনেক বৃষ্টি হয়। নদী-নালা পানি দিয়ে ভরে ওঠে।
- **শরৎ** – বৃষ্টি কমে যায়, আর আকাশ পরিষ্কার হয়ে ওঠে। মাঠে সাদা কাশফুল ফোটে।
- **হেমন্ত** – আবহাওয়া ঠান্ডা হতে শুরু করে, আর কৃষকরা ধান কাটে।
- **শীত** – ঠান্ডা পড়ে, আর সকালগুলো কুয়াশাচ্ছন্ন থাকে। মানুষ গরম কাপড় পরে আর গরম চা পান করে।
- **বসন্ত** – ফুল ফোটে, আর আবহাওয়া খুব সুন্দর হয়, না বেশি গরম, না বেশি ঠান্ডা। এটিকে "ঋতুর রাজা" বলা হয়।

বাংলাদেশের প্রতিটি ঋতুই বিশেষ এবং প্রকৃতিকে ভিন্নভাবে সুন্দর করে তোলে।

Weather



তুষারময়

Snowy

মেঘলা



Cloudy



বৃষ্টি

Rainy

ঝড়ো



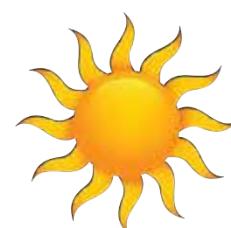
Stormy



বাতাস

Windy

রোদ



Sunny

Match the weather and the words.



Stormy



Rainy

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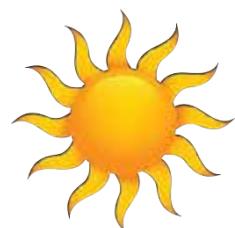
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Snowy



Cloudy



Windy

Weather

Join each word to the matching picture.

rain



cloud



sun



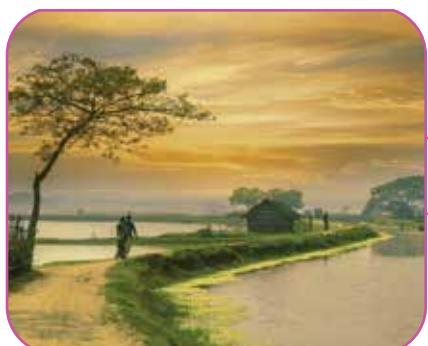
snow



rainbow



Six seasons of Bangladesh.



Summer

গ্রীষ্ম



Rainy

বর্ষা



Autumn



Late Autumn



Winter

শীত

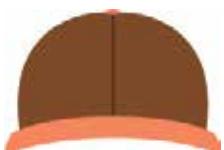


Spring

বসন্ত

Seasons

Circle the summer clothes



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Circle the winter clothes

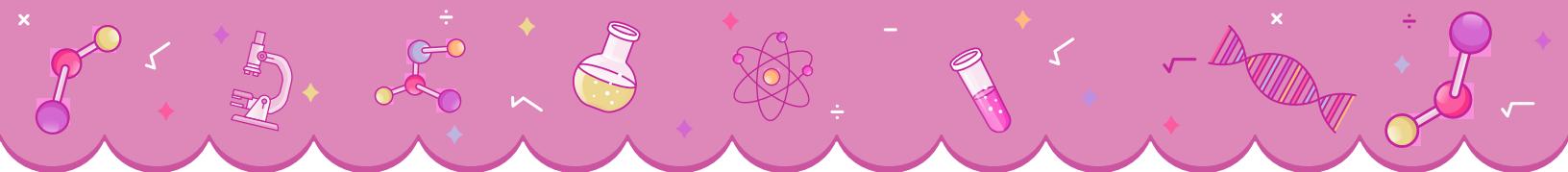


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Melt the ice

Your task is to work out the quickest way to melt an ice cube.

তোমার কাজ হলো বরফ গলানোর দ্রুততম উপায় বের করা।



heat



cold



water



salt



sugar



other

Draw what you will need.

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I predict that _____ will melt the ice the quickest.

I predict that _____ will melt the ice the slowest.

Draw what happened.

What melted the ice the quickest? _____

What melted the ice the slowest? _____

Melt the ice

Your task is to work out the quickest way to melt an ice cube.

তোমার কাজ হলো বরফ গলানোর ত্রুটম উপায় বের করা।



heat



cold



water



salt



sugar



other

Draw what you will need.

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I predict that _____ will melt the ice the quickest.

I predict that _____ will melt the ice the slowest.

Draw what happened.

What melted the ice the quickest? _____

What melted the ice the slowest? _____

Exploring Water

Water is all around us! We drink it, play with it, and see it in rivers, lakes, and the rain. Water can be found in three forms: liquid (flowing water), solid (ice), and gas (steam or vapor).

Fun Ways to Explore Water:

- **Floating and Sinking** – Some things float on water, like a leaf, while others sink, like a stone.
- **Hot and Cold Water** – Ice feels very cold, but warm water feels nice and cozy.

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- **Absorbing Water** – A sponge soaks up water, but a plastic cup does not.
- **Water in Nature** – Rain, rivers, oceans, and lakes are all different ways we see water.

Water is important for all living things. Let's have fun exploring it!



পানি আমাদের চারপাশে আছে! আমরা এটি পান করি, খেলাধুলা করি এবং নদী, লেক ও বৃষ্টির মাধ্যমে দেখি। পানি তিনটি রূপে পাওয়া যায়। তরল (বয়ে চলা পানি), কঠিন (বরফ), এবং গ্যাস (জলীয় বাষ্প)।

পানির মজার কার্যক্রম:

- **ভাসা ও ডোবা** – কিছু জিনিস পানির উপর ভাসে, যেমন একটি পাতা, আর কিছু ঝুঁতে যায়, যেমন একটি পাথর।
- **গরম ও ঠাণ্ডা পানি** – বরফ খুব ঠাণ্ডা, কিন্তু গরম পানি আরামদায়ক লাগে।
- **সূর্য নোলনা** পানিকে সূর্য নিশিয়া রাতের রাতে সূর্য সূর্য করা যায়।

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প্রকৃতিতে দেখতে পাই।

পানি আমাদের জীবনের জন্য খুব দরকারি। চলো, পানি নিয়ে মজা করি এবং শিখি!



Float or Sink

Will It Float or Sink?

craft stick



float

sink

bouncy ball



float

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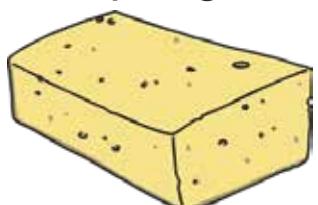
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sink

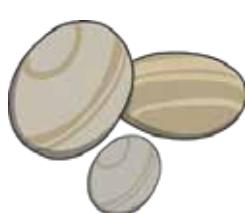
sponge



float

sink

stone



float

sink

Float or Sink

Circle the things that will float and draw a box around things that will sink.

যে জিনিসটি ভাসবে সেটিকে গোল বৃত্ত দিয়ে চিহ্ন দাও আর যে জিনিসটি পানিতে ডুবে যাবে সেটিকে চারকোনা বক্সের দ্বারা চিহ্নিত করো।



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Using of Water

Water is used for...

drink

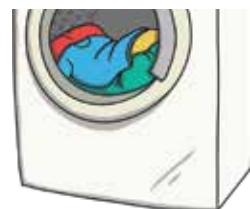


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clothes



**wash
ourselves**



Water is used for...

**flush
the toilet**



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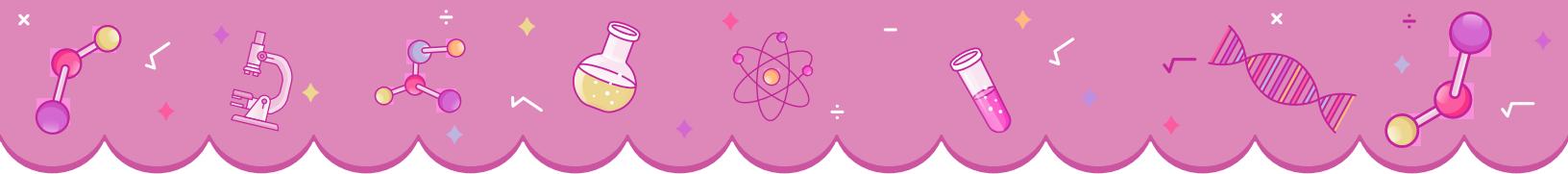
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swimming



**watering
the garden**





Light and Shadows

Light helps us see the world around us. It comes from the sun, lamps, candles, and flashlights. When light hits an object, it can create a shadow.

Fun Ways to Explore Light and Shadows:

- Making Shadows – Stand in the sun and see your shadow on the ground.
- Shadow Shapes – Use your hands or toys near a light to make different shadow shapes.

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Shadows are fun to play with, and they always go every day.

আলো আমাদের চারপাশের জিনিস দেখতে সাহায্য করে। আলো আসে সূর্য, ল্যাম্প, মোমবাতি এবং টর্চলাইট থেকে। যখন আলো কোনো জিনিসের ওপর পড়ে, তখন ছায়া তৈরি হয়।

আলো ও ছায়া নিয়ে মজার কার্যক্রম:

- ছায়া বানানো – রোদের নিচে দাঁড়ালে তোমার ছায়া মাটিতে দেখা যাবে।



Light and Shadows



দিন ও রাত – সূর্য দিনের আলো দেয়, কিন্তু রাতে আমরা বাতি ও চাঁদের আলো দেখি।



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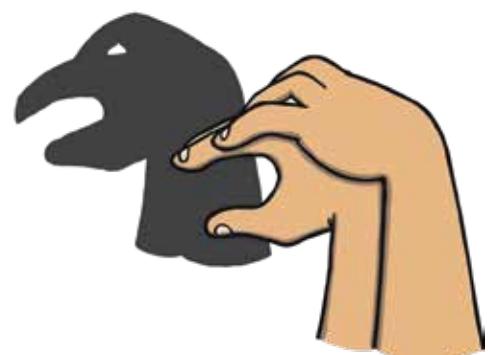
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- ছায়ার আকৃতি – হাত বা খেলনা দিয়ে বিভিন্ন আকৃতির ছায়া তৈরি করো।
ছায়া নিয়ে খেলা মজার, আর আলো আমাদের প্রতিদিন সাহায্য করে!

Light and Shadows

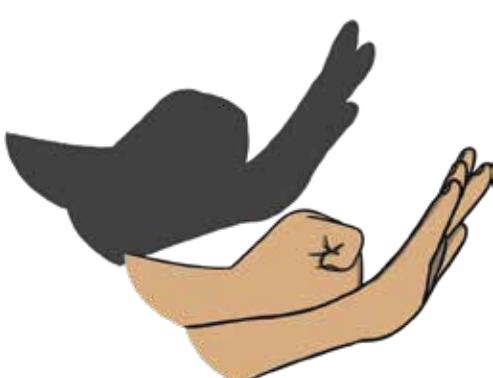
Try to make those things by shadow of your hands.



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snail



goat

Light and Shadows |

Try to make those things by shadow of your hands.



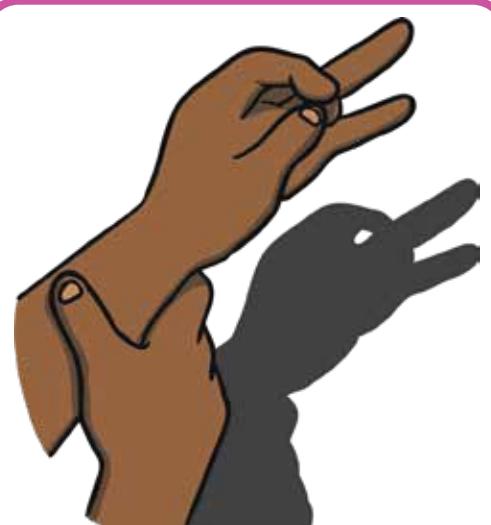
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donkey



duck

Light and Shadows

Which pictures have the most light?

Write 1 - 4 beside the pictures, with 1 being
or the picture with the most light.

কোন ছবিটি বেশি উজ্জ্বল? যেটি বেশি উজ্জ্বল তার পাশের বক্সে ১ লিখ, তারপরের
গুলো পর্যায়ক্রমে ২,৩, এবং ৪ লিখ।



One picture has no light.

Can we see anything? (Yes / No)

What do we need to see? _____

Light and Shadows

Which pictures have the most light?

Write 1 - 4 beside the pictures, with 1 being
or the picture with the most light.

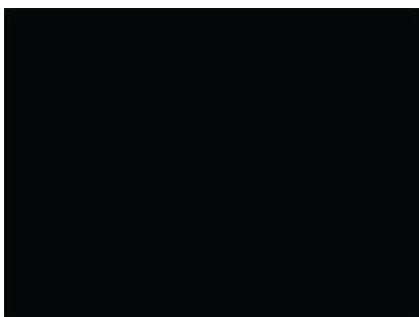
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Can we see better during the day or night? (Day / Night)

Why? _____

Light and Shadows



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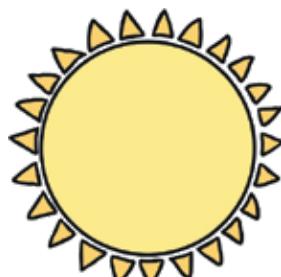
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6						
5						
4						
3						
2						
1						

Light and Shadows



night



sun



rainbow



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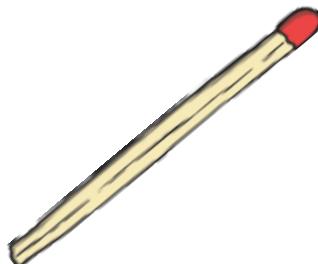
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lightbulb



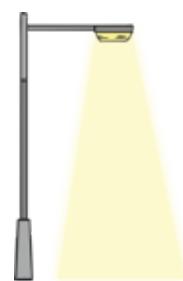
fire



match



lamp



street light



torch

Light and Shadows

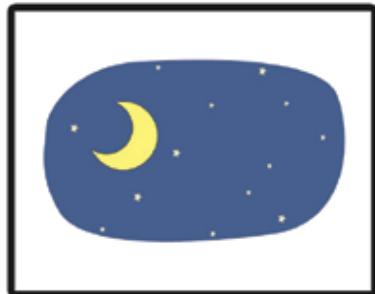
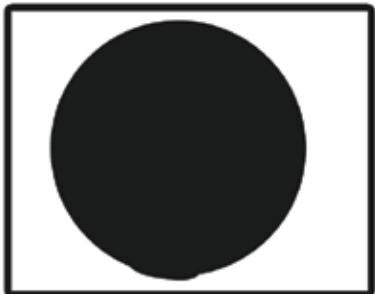
Match the shadow with the correct picture



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Light and Shadows

Look at the images below. Which ones give off light?

কোন জিনিসটি আলো দেয়?



sun



eyes



torch



fox



mirror



fire

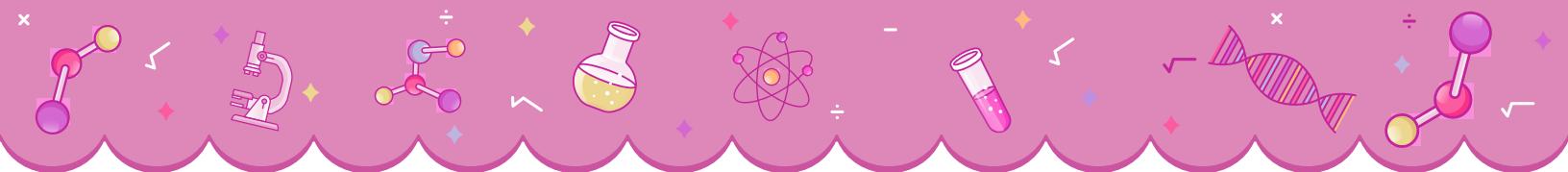


lamp

একে একে বাক্সগুলোর মধ্যে আলো দেয়া জিনিসগুলোর ছবি আঁকো।

Draw the images that give off light in the boxes in the correct order.

brightest	very bright	bright	least bright



Light and Shadows

Read the words and draw the pictures to illustrate the words

torch

bulb

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fire

sun

Basic Forces and Motion

Everything around us moves because of force! A force is a push or a pull that makes something move, stop, or change direction.

Fun Ways to Explore Forces and Motion:

- Pushing and Pulling – Push a toy car to make it move and pull it back to stop it.
- Jumping and Running – Your legs use force when you jump or run fast.
- Sliding and Bouncing – A slide moves you down fast, but a

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play with motion!



Basic Forces and Motion

আমাদের চারপাশের সবকিছু শক্তির কারণে নড়ে! বল হলো ধাক্কা বা টান, যা কোনো কিছুকে চলতে, থামতে বা দিক পরিবর্তন করতে সাহায্য করে।

বল ও গতির মজার কার্যক্রম:



ধাক্কা ও টানা – একটি খেলনার গাড়ি ধাক্কা দিয়ে সামনে চালাও এবং টেনে

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লাফানো ও দৌড়ানো – যখন তুমি লাফ দাও বা দ্রুত দৌড়াও, তখন তোমার পা বল ব্যবহার করে।



স্লাইড ও বাউল করা – স্লাইডে নামলে তুমি নিচে চলে যাও, আর বাউলি বল ওপরে-নিচে লাফিয়ে ওঠে।

PUSH

A push is a force that

causes an object to move away
from the person who is exerting it.

ধাক্কা হলো এমন একটি বল যার
কারণে একটু বস্তু ধাক্কা দেয়া ব্যক্তির
কাছ থেকে দূরে সরে যায়।



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PULL

A pull is a force that
tends to move the object
toward the person who is exerting it.

টানা হলো এমন একটি বল যার
কারণে একটু বস্তু টান দেয়া ব্যক্তির
কাছে চলে আসে।



Basic Forces and Motion

Trace the dotted lines to the word shows a push



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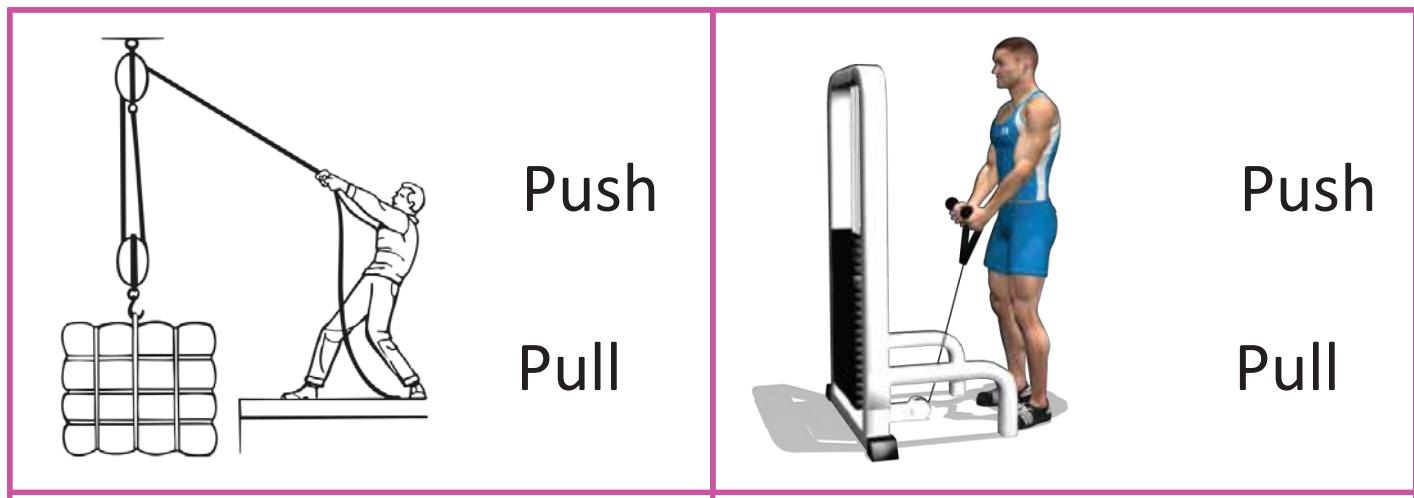
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Basic Forces and Motion

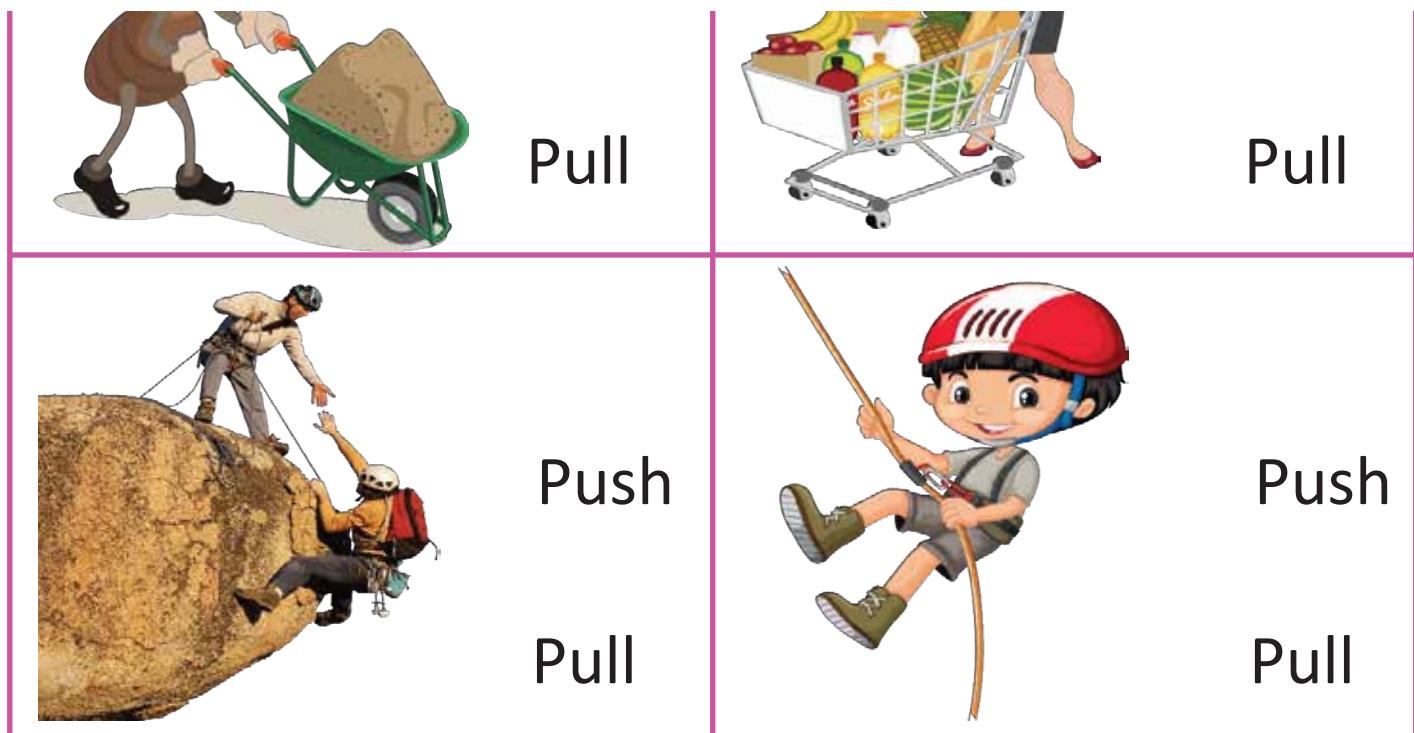
Circle push and pull activity



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OUR PRODUCTS



Fun & Learn Activity Book

Inside this package

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- English
- Numbers
- Shapes
- Arabic

AGES
3+



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Inside this package

- Bangla
- English
- Science
- Math

AGES
2+



All in One Activity Book

Subjects covered

- Bangla
- English
- Shapes
- Numbers

AGES
3+



AGES
3+



AGES
4-7 yrs



AGES
7-14 yrs

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AGES
4-14 yrs

Singapore Math

Inside this package

- Singapore Math Level 1
- Singapore Math Level 2



ECD

Early Childhood Development Program
Discovery and exploration,
language development,
new-age skills, and shaping
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for individual pace.

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5-6 Years

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writing skills with innovative
methods and preparing for
primary school.

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